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	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L9	l6 not L8	10
<input type="checkbox"/>	L8	L7 not l3	12
<input type="checkbox"/>	L7	L6 with (gene or sequence)	12
<input type="checkbox"/>	L6	L5 not l2	22
<input type="checkbox"/>	L5	L4 with human	38
<input type="checkbox"/>	L4	ubiquitin ligase near2 e3	373
<input type="checkbox"/>	L3	L2 with (gene or sequence)	7
<input type="checkbox"/>	L2	L1 with human	16
<input type="checkbox"/>	L1	ubiquitin ligase e3	144

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 12 returned.

☐ 1. Document ID: US 20060040357 A1

L8: Entry 1 of 12

File: PGPB

Feb 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060040357

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060040357 A1

TITLE: Novel nucleic acid sequences encoding melanoma associated antigen molecules, aminotransferase molecules, ATPase molecules, acyltransferase molecules, pyridoxal-phosphate dependant enzyme molecules and uses therefor

PUBLICATION-DATE: February 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bandaru; Rajasekhar	Watertown	MA	US
Glucksmann; Maria Alexandra	Lexington	MA	US
Meyers; Rachel E.	Newton	MA	US
Rudolph-Owen; Laura A.	Jamaica Plain	MA	US

US-CL-CURRENT: [435/69.1](#); [435/193](#), [435/194](#), [435/320.1](#), [435/325](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20060003322 A1

L8: Entry 2 of 12

File: PGPB

Jan 5, 2006

PGPUB-DOCUMENT-NUMBER: 20060003322

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060003322 A1

TITLE: Bioinformatically detectable group of novel regulatory genes and uses thereof

PUBLICATION-DATE: January 5, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bentwich; Isaac	Kvuzat Shiler		IL

US-CL-CURRENT: [435/6](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 3. Document ID: US 20040203098 A1

L8: Entry 3 of 12

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040203098

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040203098 A1

TITLE: Compounds and methods for modulating activation of NF-kappaB

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Manning, Anthony M.	St. Louis	MO	US
Mercurio, Frank	San Diego	CA	US
Amit, Sharon	Beer-Sheba		IL
Ben-Neriah, Yinon	Zion		IL
Davis, Matti	Jerusalem		IL
Hatzubai, Ada	Kibutz Palmah-Zova		IL
Yaron, Avraham	Jerusalem		IL
Alkalay, Irit	Jerusalem		IL
Ciechanover, Aaron	Haifa		IL

US-CL-CURRENT: 435/69.1; 424/94.63, 435/226, 435/320.1, 435/325, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 4. Document ID: US 20030166587 A1

L8: Entry 4 of 12

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030166587

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030166587 A1

TITLE: Compounds and methods for modulating activation of NF-kB

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Manning, Anthony M.	Lake St. Louis	MO	US
Mercurio, Frank	San Diego	CA	US
Amit, Sharon	Beer-Sheba		IL
Ben-Neriah, Yinon	Zion		IL

Davis, Matti	Jerusalem	IL
Hatzubai, Ada	Kibutz Palmah-Zova	IL
Yaron, Avraham	Jerusalem	IL
Alkalay, Irit	Jerusalem	IL
Ciechanover, Aaron	Haifa	IL

US-CL-CURRENT: [514/44](#); [424/94.63](#), [435/226](#), [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20030064439 A1

L8: Entry 5 of 12

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030064439

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030064439 A1

TITLE: Novel nucleic acid sequences encoding melanoma associated antigen molecules, aminotransferase molecules, ATPase molecules, acyltransferase molecules, pyridoxal-phosphate dependant enzyme molecules and uses therefor

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bandaru, Rajasekhar	Watertown	MA	US
Glucksmann, Maria Alexandra	Lexington	MA	US
Meyers, Rachel E.	Newton	MA	US
Rudolph-Owen, Laura A.	Jamaica Plain	MA	US

US-CL-CURRENT: [435/69.1](#); [435/193](#), [435/320.1](#), [435/325](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	--------

☐ 6. Document ID: US 20020151696 A1

L8: Entry 6 of 12

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151696

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020151696 A1

TITLE: 84242,8035, 55304, 52999, and 21999, novel human proteins and methods of use thereof

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
------	------	-------	---------

Bandaru, Rajaschkar

Watertown

MA

US

US-CL-CURRENT: 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 7. Document ID: US 6656713 B2

L8: Entry 7 of 12

File: USPT

Dec 2, 2003

US-PAT-NO: 6656713

DOCUMENT-IDENTIFIER: US 6656713 B2

**** See image for Certificate of Correction ****

TITLE: Compounds and methods for modulating activation of NF-.kappa.B

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 8. Document ID: US 6087122 A

L8: Entry 8 of 12

File: USPT

Jul 11, 2000

US-PAT-NO: 6087122

DOCUMENT-IDENTIFIER: US 6087122 A

TITLE: Human E3 ubiquitin protein ligase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 9. Document ID: US 5976849 A

L8: Entry 9 of 12

File: USPT

Nov 2, 1999

US-PAT-NO: 5976849

DOCUMENT-IDENTIFIER: US 5976849 A

TITLE: Human E3 ubiquitin protein ligase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 10. Document ID: JP 2005192468 A

L8: Entry 10 of 12

File: DWPI

Jul 21, 2005

DERWENT-ACC-NO: 2005-525786

DERWENT-WEEK: 200554

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TITLE: Novel transgenic non-human mammal introduced with gene encoding E3 ubiquitin

ligase that targets antigen presentation related molecule and having reduced immune function, useful for screening therapeutic agents for immunological diseases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw De
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L7 not L3	12

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Search Results - Record(s) 11 through 12 of 12 returned.

☐ 11. Document ID: US 20040185037 A1

L8: Entry 11 of 12

File: DWPI

Sep 23, 2004

DERWENT-ACC-NO: 2004-707854

DERWENT-WEEK: 200532

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TITLE: Novel isolated human E3alpha ubiquitin ligase nucleic acid molecule useful for treating and/or preventing renal cachexia or inflammatory cachexia

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 12. Document ID: AU 2004240212 A1, WO 200034447 A2, AU 200021740 A, EP 1135504 A2, CN 1346406 A, KR 2002007284 A, JP 2002539766 W, US 20030166587 A1, US 6656713 B2, US 20040203098 A1, AU 779893 B2, AU 2004240212 A8

L8: Entry 12 of 12

File: DWPI

Feb 10, 2005

DERWENT-ACC-NO: 2000-431294

DERWENT-WEEK: 200526

COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Polypeptide enhancing phosphorylated 1kappaB ubiquitination useful for treating disorder associated with NF-kappaB activation e.g. cancer, comprising amino acid sequence of human E3 ubiquitin ligase or its variant

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

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Terms	Documents
L7 not L3	12

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NEWS	6	FEB 22 Updates in EPFULL; IPC 8 enhancements added
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NEWS	13	APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS	14	APR 12 Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS	15	APR 12 Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS	16	MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	17	MAY 11 KOREAPAT updates resume
NEWS	18	MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS	19	MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	20	MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS	21	JUN 02 The first reclassification of IPC codes now complete in INPADOC
NEWS EXPRESS		FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/
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=> s ubiquitin ligase (3w) 3
L1 664 UBIQUITIN LIGASE (3W) 3

=> s l1 (5a) human
L2 3 L1 (5A) HUMAN

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 3 DUP REM L2 (0 DUPLICATES REMOVED)

=> d 1-3

L3 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:26510 HCAPLUS
DN 142:192997
TI BTB protein Keap1 targets antioxidant transcription factor Nrf2 for
ubiquitination by the cullin 3-Roc1 ligase
AU Furukawa, Manabu; Xiong, Yue
CS Lineberger Comprehensive Cancer Center, Department of Biochemistry and
Biophysics, and Program in Molecular Biology and Biotechnology, University
of North Carolina at Chapel Hill, Chapel Hill, NC, USA
SO Molecular and Cellular Biology (2005), 25(1), 162-171
CODEN: MCEBD4; ISSN: 0270-7306
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:851875 HCAPLUS
DN 140:160819
TI Targeting of protein ubiquitination by BTB-Cullin 3-Roc1 ubiquitin ligases
AU Furukawa, Manabu; He, Yizhou Joseph; Borchers, Christoph; Xiong, Yue

CS Program in Molecular Biology and Biotechnology, Department of Biochemistry
and Biophysics, Lineberger Comprehensive Cancer Center, University of
North Carolina at Chapel Hill, NC, 27599-7295, USA
SO Nature Cell Biology (2003), 5(11), 1001-1007
CODEN: NCBIFN; ISSN: 1465-7392
PB Nature Publishing Group
DT Journal
LA English
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:485034 HCAPLUS
DN 137:212695
TI Characterization of the novel E3 ubiquitin ligase encoded in exon 3 of
herpes simplex virus-1-infected cell protein 0
AU Hagglund, Ryan; Roizman, Bernard
CS Marjorie B. Kovler Viral Oncology Laboratories, University of Chicago,
chicago, IL, 60637, USA
SO Proceedings of the National Academy of Sciences of the United States of
America (2002), 99(12), 7889-7894
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l1 and human
L4 295 L1 AND HUMAN

L5 145 L4 (5A) (SEQUENCE OR GENE)

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6 137 DUP REM L5 (8 DUPLICATES REMOVED)

=> s l6 and han, ?/au
L7 0 L6 AND HAN, ?/AU

=> s han, ?/au
L8 191596 HAN, ?/AU

=> s l8 and ubiquitin ligase
L9 71 L8 AND UBIQUITIN LIGASE

=> s l6 and l9
L10 0 L6 AND L9

=> s kwak, ?/au
L11 19789 KWAK, ?/AU

=> s l11 and ubiquitin ligase
L12 17 L11 AND UBIQUITIN LIGASE

=> s l6 and l12
L13 0 L6 AND L12

=> dup rem l12
PROCESSING COMPLETED FOR L12
L14 6 DUP REM L12 (11 DUPLICATES REMOVED)

=> d 1-6

L14 ANSWER 1 OF 6 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
DUPLICATE 1
AN 2005-15824 BIOTECHDS
TI New isolated nucleic acid molecules encoding human E3alpha
ubiquitin ***ligase*** polypeptides, useful for diagnosing,
preventing or treating diseases associated with the polypeptides, e.g.

conditions involving muscle atrophy;
production of a recombinant ***ubiquitin*** - ***ligase*** and
use of the encoding gene for the diagnosis and therapy of muscle
atrophy

AU HAN H; ***KWAK K***
PA HAN H; KWAK K
PI US 2005089876 28 Apr 2005
AI US 2004-758636 15 Jan 2004
PRAI US 2004-758636 15 Jan 2004; US 2000-187911 8 Mar 2000
DT Patent
LA English
OS WPI: 2005-314084 [32]

L14 ANSWER 2 OF 6 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on
STN

AN 2005:712765 SCISEARCH
GA The Genuine Article (R) Number: 942LP
TI Infrequent mutations of Archipelago (hAGO, hCDC4, Fbw7) in primary ovarian
cancer

AU ***Kwak E L*** ; Moberg K H; Wahrer D C R; Quinn J E; Gilmore P M;
Graham C A; Hariharan I K; Harkin D P; Haber D A (Reprint); Bell D W
CS Massachusetts Gen Hosp, Ctr Canc, Bldg 149, CNY-7, 13th St, Charlestown,
MA 02129 USA (Reprint); Massachusetts Gen Hosp, Ctr Canc, Charlestown, MA
02129 USA; Harvard Univ, Sch Med, Charlestown, MA 02129 USA; Emory Univ,
Sch Med, Dept Cell Biol, Atlanta, GA 30322 USA; Queens Univ Belfast,
Belfast City Hosp, Dept Oncol, Canc Res Ctr, Belfast BT9 7AB, Antrim,
North Ireland; Queens Univ Belfast, Belfast City Hosp, Dept Med Genet,
Belfast BT9 7AB, Antrim, North Ireland
Haber@helix.mgh.harvard.edu

CYA USA; North Ireland
SO GYNECOLOGIC ONCOLOGY, (JUL 2005) Vol. 98, No. 1, pp. 124-128.
ISSN: 0090-8258.

PB ACADEMIC PRESS INC ELSEVIER SCIENCE, 525 B ST, STE 1900, SAN DIEGO, CA
92101-4495 USA.

DT Article; Journal

LA English

REC Reference Count: 19

ED Entered STN: 22 Jul 2005

Last Updated on STN: 22 Jul 2005

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L14 ANSWER 3 OF 6 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
DUPLICATE 2

AN 2004-24736 BIOTECHDS

TI Novel isolated human E3alpha ***ubiquitin*** ***ligase*** nucleic
acid molecule useful for treating and/or preventing renal cachexia or
inflammatory cachexia;
recombinant enzyme protein production via plasmid expression in host
cell for use in disease therapy

AU HAN H; ***KWAK K***
PA HAN H; KWAK K
PI US 2004185037 23 Sep 2004
AI US 2004-758672 15 Jan 2004
PRAI US 2004-758672 15 Jan 2004; US 2000-187911 8 Mar 2000
DT Patent
LA English
OS WPI: 2004-707854 [69]

L14 ANSWER 4 OF 6 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
DUPLICATE 3

AN 2004-12771 BIOTECHDS

TI New nucleic acid molecule, useful for preparing a composition for
diagnosing, treating or preventing diseases associated with human
E3approximately a polypeptide, e.g., muscle atrophy;
involving vector-mediated gene transfer and expression in host cell
for use in gene therapy, recombinant vaccine and nucleic acid vaccine
preparation

AU HAN H; ***KWAK K***
PA AMGEN INC
PI US 6706505 16 Mar 2004
AI US 2000-724126 28 Nov 2000
PRAI US 2000-724126 28 Nov 2000; US 2000-187911 8 Mar 2000

DT Patent
LA English
OS WPI: 2004-236723 [22]

L14 ANSWER 5 OF 6 MEDLINE on STN DUPLICATE 4
AN 2004586679 MEDLINE
DN PubMed ID: 15548684
TI Regulation of protein catabolism by muscle-specific and cytokine-inducible
ubiquitin ***ligase*** E3alpha-II during cancer cachexia.
AU ***Kwak Keith S*** ; Zhou Xiaolan; Solomon Vered; Baracos Vickie E;
Davis James; Bannon Anthony W; Boyle William J; Lacey David L; Han H Q
CS Department of Metabolic Disorders, Oncology & Discovery Research, Amgen
Inc., Thousand Oaks, California 91320, USA.
SO Cancer research, (2004 Nov 15) Vol. 64, No. 22, pp. 8193-8.
Journal code: 2984705R. ISSN: 0008-5472.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200502
ED Entered STN: 25 Nov 2004
Last Updated on STN: 1 Mar 2005
Entered Medline: 24 Feb 2005

L14 ANSWER 6 OF 6 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on
STN
AN 2001:787176 SCISEARCH
GA The Genuine Article (R) Number: 475XF
TI IKK gamma/NEMO facilitates the recruitment of the I kappa B proteins into
the I kappa B kinase complex
AU Yamamoto Y; Kim D W; ***Kwak Y T*** ; Prajapati S; Verma U; Gaynor R B
(Reprint)
CS Univ Texas, SW Med Ctr, Dept Med, Div Hematol Oncol, Harold Simmons Canc
Ctr, 5323 Harry Hines Blvd, Dallas, TX 75390 USA (Reprint); Univ Texas, SW
Med Ctr, Dept Med, Div Hematol Oncol, Harold Simmons Canc Ctr, Dallas, TX
75390 USA
CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (28 SEP 2001) Vol. 276, No. 39, pp.
36327-36336.
ISSN: 0021-9258.
PB AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE,
BETHESDA, MD 20814-3996 USA.
DT Article; Journal
LA English
REC Reference Count: 59
ED Entered STN: 12 Oct 2001
Last Updated on STN: 12 Oct 2001
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

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(FILE 'HOME' ENTERED AT 17:21:20 ON 25 JUN 2006)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 17:21:36 ON 25 JUN 2006

L1 664 S UBIQUITIN LIGASE (3W) 3
L2 3 S L1 (5A) HUMAN
L3 3 DUP REM L2 (0 DUPLICATES REMOVED)
L4 295 S L1 AND HUMAN
L5 145 S L4 (5A) (SEQUENCE OR GENE)
L6 137 DUP REM L5 (8 DUPLICATES REMOVED)
L7 0 S L6 AND HAN, ?/AU
L8 191596 S HAN, ?/AU
L9 71 S L8 AND UBIQUITIN LIGASE
L10 0 S L6 AND L9
L11 19789 S KWAK, ?/AU
L12 17 S L11 AND UBIQUITIN LIGASE
L13 0 S L6 AND L12
L14 6 DUP REM L12 (11 DUPLICATES REMOVED)

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FULL ESTIMATED COST

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